## **AMENDED CLAIM SET:**

1. (Currently Amended) A material for dielectric films, which is a polymerizable composition comprising:

an adamantanepolycarboxylic acid derivative represented by following Formula (1):

$$\begin{array}{c}
R^{1} \\
\downarrow \\
Y^{1}
\end{array}$$

$$\begin{array}{c}
R^{2} \\
\downarrow \\
Y^{4}
\end{array}$$

$$\begin{array}{c}
Y^{3} \\
\downarrow \\
X
\end{array}$$

$$\begin{array}{c}
R^{3}
\end{array}$$

wherein X is a hydrogen atom, a hydrocarbon group or R<sup>4</sup> which is a carbonyl halide group or a carboxyl group which may be protected by a protecting group which is selected from an alkoxy group, a cycloalkyloxy group, a tetrahydrofuranyloxy group, tetrahydropyranyloxy group, an aryloxy group, an aralkyloxy group, a trialkylsilyloxy group, an amino group, a hydrazino group; R<sup>1</sup>, R<sup>2</sup>, and R<sup>3</sup> [and R<sup>4</sup>] may be the same as or different from one another and are each a carbonyl halide group or a carboxyl group which may be protected by a protecting group which is selected from an alkoxy group, a cycloalkyloxy group, a tetrahydrofuranyloxy group, tetrahydropyranyloxy group, an aryloxy group, an aralkyloxy group, a trialkylsilyloxy group, an amino group, a hydrazino group; and Y<sup>1</sup>, Y<sup>2</sup>, Y<sup>3</sup> and Y<sup>4</sup> may be the same as or different from one another and are each a single bond or a bivalent aromatic cyclic group, wherein at least one of R<sup>1</sup>, R<sup>2</sup> and R<sup>3</sup> is a carbonyl halide group or a protected carboxyl group when X is a hydrogen

atom or a hydrocarbon group, and at least one of  $R^1$ ,  $R^2$ ,  $R^3$  and  $R^4$  is a carbonyl halide group or a protected carboxyl group when X is  $R^4$ ;

an aromatic polyamine derivative represented by following Formula (2):

$$\begin{array}{c}
R^5 \\
Z
\end{array}$$

$$\begin{array}{c}
R^6 \\
R^8
\end{array}$$
(2)

wherein Ring Z is a monocyclic or polycyclic aromatic ring; R<sup>5</sup>, R<sup>6</sup>, R<sup>7</sup> and R<sup>8</sup> are each a substituent bound to Ring Z, R<sup>5</sup> and R<sup>6</sup> may be the same as or different from each other and are each an amino group which may be protected by a protecting group which is selected from an acyl group, an alkoxycarbonyl group, an aralkyloxycarbonyl group, an alkylidene group, a carbonyl group, an oxalyl group and a butane-2,3-diylidene group, and R<sup>7</sup> and R<sup>8</sup> may be the same as or different from each other and are each an amino group which may be protected by a protecting group which is selected from an acyl group, an alkoxycarbonyl group, an aralkyloxycarbonyl group, an alkylidene group, a carbonyl group, an oxalyl group, a butane-2,3-diylidene group, a hydroxyl group which may be protected by a protecting group which is selected from an alkyl group, a cycloalkyl group, an aralkyl group, a substituted methyl group, a substituted ethyl group, are alkoxycarbonyl group, an aralkyl group, an aralkyl group, an aralkyl group, a substituted ethyl group, or a mercapto group which may be protected by a protecting group which is selected from an alkyl group, an aralkyl group, an aralkyl group, an aralkyl group, a substituted ethyl group, an aralkyl group, an aralkyl group, an aralkyl group, a substituted ethyl group, an acyl group, an aralkyl group, wherein at least one of R<sup>7</sup>

and  $R^8$  is a protected amino group, a protected hydroxyl group or a protected mercapto group when  $R^5$  and  $R^6$  are both <u>unprotected</u> amino groups; and

an organic solvent,

the adamantanepolycarboxylic acid derivative and the aromatic polyamine derivative being dissolved in the organic solvent.

2. (Currently Amended) A material for dielectric films, which is a polymerizable composition comprising:

an adamantanepolycarboxylic acid represented by following Formula (1a):

HOOC 
$$Y^2$$
  $Y^4$  COOH  $X^a$ 

wherein  $X^a$  is a hydrogen atom, a carboxyl group or a hydrocarbon group; and  $Y^1$ ,  $Y^2$ ,  $Y^3$  and  $Y^4$  may be the same as or different from one another and are each a single bond or a bivalent aromatic cyclic group;

an aromatic polyamine derivative represented by following Formula (2):

Docket No.: 3273-0189PUS1

Application No. 10/807,426 Art Unit 1711 Reply to Office Action of March 23, 2006

wherein Ring Z is a monocyclic or polycyclic aromatic ring; R<sup>5</sup>, R<sup>6</sup>, R<sup>7</sup> and R<sup>8</sup> are each a substituent bound to Ring Z, R<sup>5</sup> and R<sup>6</sup> may be the same as or different from each other and are each an amino group which may be protected by a protecting group which is selected from an acyl group, an alkoxycarbonyl group, an aralkyloxycarbonyl group, an alkylidene group, a carbonyl group, an oxalyl group, a butane-2,3-diylidene group, and R<sup>7</sup> and R<sup>8</sup> may be the same as or different from each other and are each an amino group which may be protected by a protecting group which is selected from an acyl group, an alkoxycarbonyl group, an aralkyloxycarbonyl group, an alkylidene group, a carbonyl group, an oxalyl group, a butane-2,3divlidene group, a hydroxyl group which may be protected by a protecting group which is selected from an alkyl group, a cycloalkyl group, an aralkyl group, a substituted methyl group, a substituted ethyl group, an acyl group, an alkoxycarbonyl group, an aralkyloxycarbonyl group, or a mercapto group which may be protected by a protecting group which is selected from an alkyl group, a cycloalkyl group, an aralkyl group, a substituted methyl group, a substituted ethyl group, an acyl group, an alkoxycarbonyl group, an aralkyloxycarbonyl group, wherein at least one of R<sup>7</sup> and R<sup>8</sup> is a protected amino group, a protected hydroxyl group or a protected mercapto group when R<sup>5</sup> and R<sup>6</sup> are both unprotected amino groups; and

an organic solvent,

the adamantanepolycarboxylic acid and the aromatic polyamine derivative being dissolved in the organic solvent.

3. (Currently Amended) A material for dielectric films, which is a polymerizable composition comprising:

an adamantanepolycarboxylic acid derivative represented by following Formula (1):

wherein X is a hydrogen atom, a hydrocarbon group or R<sup>4</sup> which is a carbonyl halide group or a carboxyl group which may be protected by a protecting group which is selected from an alkoxy group, a cycloalkyloxy group, a tetrahydrofuranyloxy group, tetrahydropyranyloxy group, an aryloxy group, an aralkyloxy group, a trialkylsilyloxy group, an amino group, a hydrazino group; R<sup>1</sup>, R<sup>2</sup>, and R<sup>3</sup> [and R<sup>4</sup>] may be the same as or different from one another and are each a carbonyl halide group or a carboxyl group which may be protected by a protecting group which is selected from an alkoxy group, a cycloalkyloxy group, a tetrahydrofuranyloxy group, tetrahydropyranyloxy group, an aryloxy group, an aralkyloxy group, a trialkylsilyloxy group, an amino group, a hydrazino group; and Y<sup>1</sup>, Y<sup>2</sup>, Y<sup>3</sup> and Y<sup>4</sup> may be the same as or different from one another and are each a single bond or a bivalent aromatic cyclic group, wherein at least one of

 $R^1$ ,  $R^2$  and  $R^3$  is a carbonyl halide group or a protected carboxyl group when X is a hydrogen atom or a hydrocarbon group, and at least one of  $R^1$ ,  $R^2$ ,  $R^3$  and  $R^4$  is a carbonyl halide group or a protected carboxyl group when X is  $R^4$ ;

an aromatic polyamine represented by following Formula (2a):

$$\begin{array}{c}
\text{H2 N} \\
\text{Z} \\
\text{R}^{10}
\end{array}$$
(2 a)

wherein Ring Z is a monocyclic or polycyclic aromatic ring; and R<sup>9</sup> and R<sup>10</sup> are each a substituent bound to Ring Z, may be the same as or different from each other and are each an amino group, a hydroxyl group or a mercapto group; and

an organic solvent,

the adamantanepolycarboxylic acid derivative and the aromatic polyamine being dissolved in the organic solvent.

## 4. (Currently Amended) A polymer which is a polymerized product of:

an adamantanepolycarboxylic acid derivative represented by following Formula (1):

$$\begin{array}{c}
R^1 \\
\downarrow 1 \\
\downarrow 1 \\
\downarrow 1 \\
\downarrow 1 \\
\downarrow X
\end{array}$$
(1)

Docket No.: 3273-0189PUS1

wherein X is a hydrogen atom, a hydrocarbon group or R<sup>4</sup> which is a carbonyl halide group or a carboxyl group which may be protected by a protecting group which is selected from an alkoxy group, a cycloalkyloxy group, a tetrahydrofuranyloxy group, tetrahydropyranyloxy group, an aryloxy group, an aralkyloxy group, a trialkylsilyloxy group, an amino group, a hydrazino group; R<sup>1</sup>, R<sup>2</sup>, and R<sup>3</sup> [and R<sup>4</sup>] may be the same as or different from one another and are each a carbonyl halide group or a carboxyl group which may be protected by a protecting group which is selected from an alkoxy group, a cycloalkyloxy group, a tetrahydrofuranyloxy group, tetrahydropyranyloxy group, an aryloxy group, an aralkyloxy group, a trialkylsilyloxy group, an amino group, a hydrazino group; and Y<sup>1</sup>, Y<sup>2</sup>, Y<sup>3</sup> and Y<sup>4</sup> may be the same as or different from one another and are each a single bond or a bivalent aromatic cyclic group, wherein at least one of R<sup>1</sup>, R<sup>2</sup> and R<sup>3</sup> is a carbonyl halide group or a protected carboxyl group when X is a hydrogen atom or a hydrocarbon group, and at least one of R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> is a carbonyl halide group or a protected carboxyl group when X is R<sup>4</sup>; and

an aromatic polyamine derivative represented by following Formula (2):

$$\begin{array}{c}
R^5 \\
Z \\
R^8
\end{array}$$
(2)

wherein Ring Z is a monocyclic or polycyclic aromatic ring; R<sup>5</sup>, R<sup>6</sup>, R<sup>7</sup> and R<sup>8</sup> are each a substituent bound to Ring Z, R<sup>5</sup> and R<sup>6</sup> may be the same as or different from each other and are each an amino group which may be protected by a protecting group which is selected from an acyl group, an alkoxycarbonyl group, an aralkyloxy-carbonyl group, an alkylidene group, and R<sup>7</sup>

and R<sup>8</sup> may be the same as or different from each other and are each an amino group which may be protected by a protecting group which is selected from an acyl group, an alkoxycarbonyl group, an aralkyloxy-carbonyl group, an alkylidene group, a carbonyl group, an oxalyl group, a butane-2,3-diylidene group, a hydroxyl group which may be protected by a protecting group which is selected from an alkyl group, a cycloalkyl group, an aralkyl group, a substituted methyl group, a substituted ethyl group, an acyl group, an alkoxycarbonyl group, an aralkyloxycarbonyl group, or a mercapto group which may be protected by a protecting group which is selected from an alkyl group, a cycloalkyl group, an aralkyl group, a substituted methyl group, a substituted ethyl group, an acyl group, an aralkyl group, a substituted methyl group, a substituted ethyl group, an acyl group, an alkoxycarbonyl group, an aralkyloxycarbonyl group, wherein at least one of R<sup>7</sup> and R<sup>8</sup> is a protected amino group, a protected hydroxyl group or a protected mercapto group when R<sup>5</sup> and R<sup>6</sup> are both unprotected amino groups.

5. (Currently Amended) A polymer which is a polymerized product of: an adamantanepolycarboxylic acid represented by following Formula (1a):

HOOC 
$$Y^2$$
  $Y^4$  COOH  $X^a$ 

Docket No.: 3273-0189PUS1

wherein  $X^a$  is a hydrogen atom, a carboxyl group or a hydrocarbon group; and  $Y^1$ ,  $Y^2$ ,  $Y^3$  and  $Y^4$  may be the same as or different from one another and are each a single bond or a bivalent aromatic cyclic group; and

an aromatic polyamine derivative represented by following Formula (2):

$$\begin{array}{c}
R^5 \\
Z \\
R^8
\end{array}$$
(2)

wherein Ring Z is a monocyclic or polycyclic aromatic ring; R<sup>5</sup>, R<sup>6</sup>, R<sup>7</sup> and R<sup>8</sup> are each a substituent bound to Ring Z, R<sup>5</sup> and R<sup>6</sup> may be the same as or different from each other and are each an amino group which may be protected by a protecting group which is selected from an acyl group, an alkoxycarbonyl group, an aralkyloxycarbonyl group, an alkylidene group, a carbonyl group, an oxalyl group and a butane-2,3-diyliene group, and R<sup>7</sup> and R<sup>8</sup> may be the same as or different from each other and are each an amino group which may be protected by a protecting group which is selected from an acyl group, an alkoxycarbonyl group, an aralkyloxycarbonyl group, an alkylidene group, a carbonyl group, an oxalyl group, a butane-2,3-diylidene group, a hydroxyl group which may be protected by a protecting group which is selected from an alkyl group, a cycloalkyl group, an aralkyl group, a substituted methyl group, a substituted ethyl group, an acyl group, an aralkyl group, an aralkyloxycarbonyl group, or a mercapto group which may be protected by a protecting group which is selected from an alkyl group, an aralkyl group, an aralkyloxycarbonyl group, as substituted ethyl group, an aralkyl group, a substituted ethyl group, an acyl group, an aralkyl group, a substituted ethyl group, an acyl group, an aralkyl group, an aralkyl group, an asubstituted ethyl group, an acyl group, an aralkyl group, an aralkyl group, an aralkyl group, an acyl group, an alkoxycarbonyl group, an aralkyl group, an acyl group, an alkoxycarbonyl group, an aralkyl group, wherein at least one of R<sup>7</sup>

and  $R^8$  is a protected amino group, a protected hydroxyl group or a protected mercapto group when  $R^5$  and  $R^6$  are both <u>unprotected</u> amino groups.

## 6. (Currently Amended) A polymer which is a polymerized product of:

an adamantanepolycarboxylic acid derivative represented by following Formula (1):

$$\begin{array}{c}
R^1 \\
\downarrow \\
\downarrow \\
\downarrow \\
\downarrow \\
\downarrow \\
\downarrow \\
\chi
\end{array}$$
(1)

wherein X is a hydrogen atom, a hydrocarbon group or R<sup>4</sup> which is a carbonyl halide group or a carboxyl group which may be protected by a protecting group which is selected from an alkoxy group, a cycloalkyloxy group, a tetrahydrofuranyloxy group, tetrahydropyranyloxy group, an aryloxy group, an aralkyloxy group, a trialkylsilyloxy group, an amino group, a hydrazino group; R<sup>1</sup>, R<sup>2</sup>, and R<sup>3</sup> [and R<sup>4</sup>] may be the same as or different from one another and are each a carbonyl halide group or a carboxyl group which may be protected by a protecting group which is selected from an alkoxy group, a cycloalkyloxy group, a tetrahydrofuranyloxy group, tetrahydropyranyloxy group, an aryloxy group, an aralkyloxy group, a trialkylsilyloxy group, an amino group, a hydrazino group; and Y<sup>1</sup>, Y<sup>2</sup>, Y<sup>3</sup> and Y<sup>4</sup> may be the same as or different from one another and are each a single bond or a bivalent aromatic cyclic group, wherein at least one of R<sup>1</sup>, R<sup>2</sup> and R<sup>3</sup> is a carbonyl halide group or a protected carboxyl group when X is a hydrogen

Docket No.: 3273-0189PUS1

atom or a hydrocarbon group, and at least one of  $R^1$ ,  $R^2$ ,  $R^3$  and  $R^4$  is a carbonyl halide group or a protected carboxyl group when X is  $R^4$ ; and

an aromatic polyamine represented by following Formula (2a):

$$\begin{array}{c}
\text{H2 N} \\
\text{Z} \\
\text{R}^{10}
\end{array}$$
(2 a)

wherein Ring Z is a monocyclic or polycyclic aromatic ring; and R<sup>9</sup> and R<sup>10</sup> are each a substituent bound to Ring Z, may be the same as or different from each other and are each an amino group, a hydroxyl group or a mercapto group.

7. (Original) A dielectric film comprising the polymer as claimed in any one of claims 4 to 6.